IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
Marc ALAIA et al.)	
Serial No.: 09/252,790) Group Art Unit: 2761	l
Filed: February 19, 1999) Examiner: Unassigned	d
For: METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS)))	

Assistant Commissioner for Patents Washington, D.C. 20231

DECLARATION FOR PATENT APPLICATION

Sir:

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am an original, first, and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Method and System for Conducting**Electronic Auctions, the specification of which was filed on February 19, 1999.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby declare that all statements made herein of my knowledge are true and that all statements made of information and belief are believed to be true, and further that these statements were made with a knowledge that willful false statements in like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code

PATENT

ATTORNEY DOCKET NO.: 046700-5004 APPLICATION NO. 09/252,790

Page 2

and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

INVENTOR 1		
Family Name ALAIA	First Given Name Marc	Second Given Name
City Glenshaw	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 113 Grandview Avenue	City Glenshaw	State Pennsylvania 15116
Date April 6, 1999	Signature Jan A	Jane .

INVENTOR 2		
Family Name BECKER	First Given Name David	Second Given Name J.
City Sewickley	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 22 Sewickley Hills Drive	City Sewickley	State Pennsylvania 15143
Date	Signature	

INVENTOR 3		
Family Name BERNARD	First Given Name Anthony	Second Given Name F.
City Wexford	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 2518 Lindenwood Drive	City Wexford	State Pennsylvania 15090
Date	Signature	

ATTORNEY DOCKET NO.: 046700-5004

APPLICATION NO. 09/252,790

INVENTOR 4		
Family Name HECKMANN	First Given Name Daniel	Second Given Name C.
City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 4889 East Willock Road	City Pittsburgh	State Pennsylvania 15227
Date	Signature	•

INVENTOR 5		
Family Name KINNEY, JR.	First Given Name Sam	Second Given Name E.
City Sewickley	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 314 Maple Lane	City Sewickley	State Pennsylvania 15143
Date	Signature	

INVENTOR 6		
Family Name MEAKEM	First Given Name Glen	Second Given Name T.
City Sewickley	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 703 Cochran Street	City Sewickley	State Pennsylvania 15143
Date	Signature	

ATTORNEY DOCKET NO.: 046700-5004 APPLICATION NO. 09/252,790

INVENTOR 7		
Family Name RAGO	First Given Name Vincent	Second Given Name F.
City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 15 Roxbury Road	City Pittsburgh	State Pennsylvania 15221
Date	Signature	

INVENTOR 8		
Family Name RENEAU	First Given Name Jason	Second Given Name
City Boston	State / Country Massachusetts, U.S.A.	Citizenship U.S.A.
Post Office Address 403 Marlborough Street	City Boston	State Massachusetts 02115
Date	Signature	•

INVENTOR 9		
Family Name ROBERTS	First Given Name Frederick	Second Given Name W.
City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 5 Grandview Avenue, Apt. 803	City Pittsburgh	State Pennsylvania 15221
Date	Signature	

PATENT

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APPLICATION NO. 09/252,790

INVENTOR 10		
Family Name RUPP	First Given Name William	Second Given Name D.
City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 2151 Cayuga Drive	City Pittsburgh	State Pennsylvania 15239
Date	Signature	•

INVENTOR 11		
Family Name STEVENS	First Given Name Robert	Second Given Name G.
City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 5518 Ellsworth Avenue, Apt. 1	City Pittsburgh	State Pennsylvania 15232
Date	Signature	

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

	FreeM	FreeMarkets OnLine, Inc., a United States corporation, certifies that it is:				
	1. [x] an assignee of the entire right, title, and interest; or					
	2. [] an assignee of an undivided part interest					
in the	applicat	tion ident	ified above by v	virtue of:		·
A.	An ass	signment	from the invent	or(s) of the applic	cation ic	dentified above. The
	assign	ment was	s recorded as fol	lows:		
	FR	ОМ		TO		REEL/FRAME NO.
						Reel: Frame:
OR B.				ors, of the applic	ation id	entified above, to the current
	1. From: Marc Alaia To: FreeMarkets OnLine Inc. The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.					
	 From: Jason Reneau To: FreeMarkets OnLine, Inc. The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. 					

ATTORNEY DOCKET NO.: 046700-5004 APPLICATION NO. 09/252,790 Page 3

3.	From: David J. Becker, Anthony F. Bernard, Daniel C. Heckmann, Sam E.
	Kinney, Jr., Glen T. Meakem, Vincent F. Rago, Frederick W. Roberts,
	William D. Rupp, and Robert G. Stevens
	To: FreeMarkets OnLine, Inc.
	The document was recorded in the Patent and Trademark Office at Reel
	Frame, or for which a copy thereof is attached.
[x]	Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the Assignee.

FreeMarkets OnLine, Inc. One Oliver Plaza 210 Sixth Avenue Pittsburgh, Pennsylvania 15222

By:

Sam/E. Kinney, Jr.

Executive Vice President

Dated: 3/76/99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2761
Examiner: Unassigned

Assistant Commissioner for Patents Washington, D.C. 20231

DECLARATION FOR PATENT APPLICATION

Sir:

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am an original, first, and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Method and System for Conducting**Electronic Auctions, the specification of which was filed on February 19, 1999.

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PATENT -

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Family Name RAGO	First Given Name Vincent	Second Given Name F.		
City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.		
Post Office Address 15 Roxbury Road	City Pittsburgh	State Pennsylvania 15221		
Date	Signature			

INVENTOR 8				
Family Name RENEAU	First Given Name Jason	Second Given Name W.		
City Boston	State / Country Massachusetts, U.S.A.	Citizenship U.S.A.		
Post Office Address 403 Marlborough Street	City Boston	State Massachusetts 02115		
Date 4/19/99	Signature Jun W. U			

INVENTOR 9				
Family Name ROBERTS	First Given Name Frederick	Second Given Name W.		
City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.		
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ATTORNEY DOCKET NO.: 046700-5004 APPLICATION NO. 09/252,790 Page 5

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) Group Art Unit: 2761
) Examiner: Unassigned
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Assistant Commissioner for Patents Washington, D.C. 20231

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Date 3, 30-77	Signature	

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Post Office Address 2518 Lindenwood Drive	City Wexford	State Pennsylvania 15090
Date 4 1 199	Signature William Fill	icard

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City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 4889 East Willock Road	City Pittsburgh	State Pennsylvania 15227
Date 3/30/1999	Signature auto automa	m/

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City Sewickley	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 314 Maple Lane	City Sewickley	State Pennsylvania 15143
Date 3/16/99	Signature	

INVENTOR 6		
Family Name MEAKEM	First Given Name Glen	Second Given Name T.
City Sewickley	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 703 Cochran Street	City Sewickley	State Pennsylvania 15143
Date 3/3=/99	Signature III	Wal

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City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address 15 Roxbury Road	City Pittsburgh	State Pennsylvania 15221
Date 3, 30/99	Signature	

INVENTOR 8			
Family Name First Given Name Second Given Name RENEAU Jason			
City Boston	State / Country Massachusetts, U.S.A.	Citizenship U.S.A.	
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Post Office Address 5 Grandview Avenue, Apt. 803	City Pittsburgh	State Pennsylvania 15221	
Date 3/30/99 Signature hull when			



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City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.
Post Office Address City 2151 Cayuga Drive Pittsburgh		State Pennsylvania 15239
Date 4/1/99 Signature D. Ryn		Ru-

INVENTOR 11			
Family Name STEVENS	First Given Name Robert	Second Given Name G.	
City Pittsburgh	State / Country Pennsylvania, U.S.A.	Citizenship U.S.A.	
Post Office Address 5518 Ellsworth Avenue, Apt. 1	City Pittsburgh	State Pennsylvania 15232	
Date 4/1/99	Signature Ili		

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s). County of _____

Marc Alaia Full Name of Sole or First Assignor

113 Grandview Avenue, Glenshaw, PA 15116

SS. Address

First Assignor's Signature

Date

[]No Names of additional inventors attached [X] Yes

Subscribed and sworn to before me this __ day of _____, 19__.

Notary Public

<u>_</u>

	Subscribed and sworn to before me this 4 day of 4 Notarial Seal	David J. Becker Full Name of Second Assignor 2 Sewickley Hills Drive, Sewickley, Pennsylvania 15143 Address Second Assignor's Signature
	Pittsburgh, Allegheny County Pittsburgh, Allegheny County Gy Commission Expires June 14, 199 Member, Pennsylvania Association of Note	99 3.30.49
- []	County of Allegherry State of Rencill Vania	Anthony F. Bernard Full Name of Third Assignor
ուս կան կոս Կլին Կուր հութ	Subscribed and sworn to before me this \(\) day of \(\) April \(\) Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1 Member, Pennsylvania Association of Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1	
1 that the the that the	County of Allegrany State of Pennsylvania SS. /	Daniel C. Heckmann Full Name of Fourth Assignor 4889 East Willock Road Pittsburgh, Pennsylvania 15227
And that that that II II that	Subscribed and sworn to before me this Aday of North 197 Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County Member, Pennsylvania Association of Notaria	Address Outhough Fourth Assignor's Signature 3/30/1999
<u> </u>	County of Alkana State of Pennsylvania SS.	Sam E. Kinney, Jr. Full Name of Fifth Assignor 314 Maple Lane, Sewickley Pennsylvania 15143 Address
	Subscribed and sworn to before me this 26 day of March, 1999 Tina L. Fallert, Notary Public Pittsburgh, Allegheny County Public Member, Pennsylvania Association of Notary Public Pu	Fifth Assignor's Signature 3/26/99 tanes Date
	Names of additional inventors attached [X] Yes [] No

11 ~	County of Allegnen	Glen T. Meakem Full Name of Sixth Assignor
н	State of Pennsylvania	Lifti Mattie of Styrii WasiBuoi
S t	SS. Subscribed and sworn to before me his Oday of Novech, 1999 Tina L. Fallert, Notary Public Pittsburgh, Allegheny County Commission Expires June 14, 1 Member, Pennsylvania Association of No	
	County of Allegneny	Vincent F. Rago Full Name of Seventh Assignor
	State of Periodicumica	
-	SS.	15 Roxbury Road, Pittsburgh, Pennsylvania 15221 Address
	Subscribed and sworn to before methis 30 day of NOV(h., 1999) The Policy Public Pittsburgh, Allegheny County I'm Commission Expires June 14, 1999	
	Member, Pennsylvania Association of No	Date Date
	County of	Jason Reneau Full Name of Eighth Assignor
	State ofSS.	403 Marlborough Street, Boston, Massachusetts 02115
==, II		Address
B** 16Jf 16	Subscribed and sworn to before me this day of, 19	Eighth Assignor's Signature
lla hall da		
By Had Re	County of Allanger	Eighth Assignor's Signature Date Frederick W. Roberts Full Name of Ninth Assignor
Ilo IIII III	this day of, 19Notary Public	Eighth Assignor's Signature Date Frederick W. Roberts
II. IIII W	County of Alkaharia State of Pennsylvania State of Pennsylvania State of Pennsylvania SS. Subscribed and sworn to before the this 32day of March, 1979 Tina L. Fallett, Notary Public Fallett, Notary Fallett, Notary Public Fallett, Notary Fallett, Notary Public Fallett, Notary Fal	Eighth Assignor's Signature Date Frederick W. Roberts Full Name of Ninth Assignor 5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221 Address Ninth Assignor's Signature
the first will	County of All Chery State of Pennsyllavica Subscribed and sworn to before the this 3 Videy of No. 1960 That Fallert Notary Public	Eighth Assignor's Signature Date Frederick W. Roberts Full Name of Ninth Assignor 5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221 Address Ninth Assignor's Signature 3/30/99

County of Allegheny State of Pansylvania	William D. Rupp Full Name of Tenth Assignor
SS. Subscribed and swo: a to before the Notarial Seal this day of the Notary Public Pittsburgh, Allegheny County Public Pittsburgh, Allegheny County Dead Notary Public Commission Expires June 14, 19 Member, Pennsylvania Association of Notary Public Pittsburgh, Allegheny County Member, Pennsylvania Association of Notary Public Pittsburgh, Allegheny County Member, Pennsylvania Association of Notary Public Pittsburgh, Allegheny County Member, Pennsylvania Association of Notary Public Pittsburgh, Allegheny County Member, Pennsylvania Association of Notary Public Pittsburgh, Allegheny County Pittsburgh, Allegheny Count	2151 Cayuga Drive, Pittsburgh, Pennsylvania 15239 Address Tenth Assignor's Signature Ul/199 Date
State of Puncy Winning My Commission Expires June 14, 19 Wember, Pennsylvania Association of Nota	Robert G. Stevens Full Name of Eleventh Assignor 5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232 Address Eleventh Assignor's Signature 99 4//6 9 Date

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of <u>Delaware</u>, whose post office address is <u>One Oliver Plaza, 210 Sixth Avenue</u>, <u>Pittsburgh</u>, <u>Pennsylvania 15222</u> (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

ATTORNEY DOCKET NO.: 46700-5004 ASSIGNMENT (Worldwide Rights) Page 2

County of		David J. Becker Full Name of Second Assignor
State of		
	SS.	22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143 Address
Subscribed and sworn to before me this day of, 19		Second Assignor's Signature
Notary Public		
		Date
County of		Anthony F. Bernard Full Name of Third Assignor
State of	SS.	2518 Lindenwood Drive, Wexford, Pennsylvania 15090 Address
Subscribed and sworn to before me this day of, 19		Third Assignor's Signature
Notary Public		Date
		Daniel C. Heckmann
County of		Full Name of Fourth Assignor
State of	SS.	4889 East Willock Road, Pittsburgh, Pennsylvania 15227
Subscribed and sworn to before me	,	Address
this day of, 19		Fourth Assignor's Signature
Notary Public		Date
County of		Sam E. Kinney, Jr.
County of		Full Name of Fifth Assignor
State of	SS.	314 Maple Lane, Sewickley, Pennsylvania 15143 Address
Subscribed and sworn to before me this day of, 19		Fifth Assignor's Signature
Notary Public		Date
Names of additional inventors attached [X	1 Yes	[] No

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County of		Glen T. Meakem Full Name of Sixth Assignor
State of		
	SS.	703 Cochran Street, Sewickley, Pennsylvania 15143 Address
Subscribed and sworn to before me this day of, 19		Sixth Assignor's Signature
Notary Public		Sixth Assignor's Signature
		Date
		Vincent F. Rago
County of		Full Name of Seventh Assignor
State of	SS.	15 Roxbury Road, Pittsburgh, Pennsylvania 15221 Address
Subscribed and sworn to before me this day of, 19		
Notary Public		Seventh Assignor's Signature
Notary ruente		Date
		Jason Reneau
County of		Full Name of Eighth Assignor
State of	SS.	403 Marlborough Street, Boston, Massachusetts 02115 Address
Subscribed and sworn to before me		
this day of, 19 Notary Public		Eighth Assignor's Signature
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Notary Public		Date
Names of additional inventors attached [X] Y	es es	[] No

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County of	SS.	
	SS.	Full Name of Eleventh Assignor 5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232
State of Subscribed and sworn to before me	SS.	Full Name of Eleventh Assignor 5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232 Address

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).			
County of	Marc Alaia Full Name of Sole or First Assignor		
State of SS.	113 Grandview Avenue, Glenshaw, PA 15116 Address		
Subscribed and sworn to before me this day of, 19 Notary Public	First Assignor's Signature		
	Date		
Names of additional inventors attached [X] Yes []No		

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ASSIGNMENT (Worldwide Rights)
Page 2

County of		David J. Becker Full Name of Second Assignor
State of		. 2
Subscribed and sworn to before me	SS.	22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143 Address
this day of, 19		Second Assignor's Signature
Notary Public		Second Assignor's Dignature
		Date
County of		Anthony F. Bernard Full Name of Third Assignor
State of	SS.	2518 Lindenwood Drive, Wexford, Pennsylvania 15090 Address
Subscribed and sworn to before me this day of, 19		Third Assignor's Signature
Notary Public		Date
County of		Daniel C. Heckmann Full Name of Fourth Assignor
State of	SS.	4889 East Willock Road, Pittsburgh, Pennsylvania 15227 Address
Subscribed and sworn to before me this day of, 19		Fourth Assignor's Signature
Notary Public		Date
County of		Sam E. Kinney, Jr. Full Name of Fifth Assignor
State of	SS.	314 Maple Lane, Sewickley, Pennsylvania 15143 Address
Subscribed and sworn to before me this day of, 19		Fifth Assignor's Signature
Notary Public		Date
Names of additional inventors attached [X]	es es	[] No

County of			Glen T. Meakem Full Name of Sixth Assignor
State of			
		SS.	703 Cochran Street, Sewickley, Pennsylvania 15143 Address
this day	and sworn to before me of, 19		Sixth Assignor's Signature
	Notary Public		Date
			Date
11	·		Vincent F. Rago Full Name of Seventh Assignor
State of		SS.	15 Roxbury Road, Pittsburgh, Pennsylvania 15221 Address
	d and sworn to before me y of, 19		Seventh Assignor's Signature
	Notary Public		Date
≄ i	HARRIS TEXAS		Jason Reneau Full Name of Eighth Assignor
		SS.	403 Marlborough Street, Boston, Massachusetts 02115 Address
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	County of		William D. Rupp Full Name of Tenth Assignor		
	Subscribed and sworn to before me this day of, 19 Notary Public	SS.	2151 Cayuga Drive, Pittsburgh, Pennsylvania 15239 Address Tenth Assignor's Signature Date		
	County of State of	SS.	Robert G. Stevens Full Name of Eleventh Assignor 5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232 Address		
	Subscribed and sworn to before me this day of, 19		Eleventh Assignor's Signature		
	Notary Public		Date		
J	Names of additional inventors attached [] Yes [X] No				